

SUBSTITUTE SPECIFICATION  
FOR NATIONAL PHASE SUBMISSION

CLEAN VERSION

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ABSTRACT

[0027] A fluid injector has a housing, an actuator unit and a valve body (2). The valve body (2) has a needle (22), which closes or opens a nozzle (213) depending on its position and comprises a guided zone (221). It further has a first part (21), which is arranged in a fixed position relative to the nozzle (213) and has a guided zone (215). It further has a second part (24), which has a first guide zone (242), that guides the guided zone (221) of the needle (22), and which has a second guide zone (243), that guides the guided zone (215) of the first part (21), with the second guide zone (242) having a greater diameter than the first guide zone (243).